

AMENDMENTS TO THE CLAIMS

1. (Original) An optical disc assembly, comprising:

a first layer containing optically readable structures which are trackable by an optical disc reader and which have encoded speed information enabling the optical disc reader to rotate the optical disc assembly at a speed that is determinable from said speed information; and

at least one insert having a surface capable of receiving an analyte which can be detected by the optical disc reader.

2. (Original) The optical disc assembly according to claim 1 wherein the optical disc reader is a CD reader or a DVD reader.

3. (Original) The optical disc assembly according to claim 1 wherein the first layer includes a surface impressed with said optically readable structures which are coated with a first reflective layer.

4. (Original) The optical disc assembly according to claim 3 wherein the first reflective layer is semi-reflective, and the first layer contains a refractive material and is capable of focusing a reading beam of the optical disc reader on the first reflective layer.

5. (Original) The optical disc assembly according to claim 3 further comprising a second layer, said insert and the first reflective layer being located between the first layer and the second layer.

6. (Original) The optical disc assembly according to claim 5 wherein the second layer contains a refractive material and is capable of focusing a reading beam of the optical disc reader on the first reflective layer.

7. (Original) The optical disc assembly according to claim 6 wherein said surface of the insert is between the first layer and another surface of the insert.

8. (Original) The optical disc assembly according to claim 6 wherein the insert is replaceable and contains glass or plastic.

9. (Original) The optical disc assembly according to claim 8 wherein the second layer is a cover.

10. (Original) The optical disc assembly according to claim 8 further comprising at least one counterweight insert.

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11. (Original) The optical disc assembly according to claim 6 wherein the second layer includes a surface impressed with optically readable structures which are coated with a semi-reflective layer.

12. (Original) The optical disc assembly according to claim 11 wherein said surface of the insert is located between the second layer and another surface of the insert.

13. (Original) The optical disc assembly according to claim 11 wherein at least one of the first layer and the second layer includes data having encoded information for conducting an assay on the analyte.

14. (Original) The optical disc assembly according to claim 6 wherein the second layer includes a surface impressed with optically readable structures which are coated with a second reflective layer.

15. (Original) The optical disc assembly according to claim 14 wherein the first reflective layer is semi-reflective, and the first layer contains a refractive material and is capable of focusing a reading beam of the optical disc reader on the second reflective layer.

16. (Original) The optical disc assembly according to claim 15 wherein at least one of the first layer and the second layer includes data having encoded information for conducting an assay on the analyte.

17. (Original) The optical disc assembly according to claim 16 wherein said surface of the insert is between the second layer and another surface of the insert.

18. (Original) The optical disc assembly according to claim 3 further comprising a second layer, the first reflective layer being located between the first layer and the second layer, and the insert being at least partially embedded in the first layer or the second layer.

19. (Original) The optical disc assembly according to claim 4 wherein the first reflective layer has a reflectivity of between 18 and 30%.

20. (Original) An optical disc assembly, comprising:

a hologram containing optically readable structures which have encoded tracking information, and speed information enabling an optical disc reader to rotate the optical disc assembly at a speed that is determinable from said speed information; and

at least one insert having a surface capable of receiving an analyte which can be detected by the optical disc reader.

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21. (Original) The optical disc assembly according to claim 20 wherein the optical disc reader is a CD reader or a DVD reader.

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22. (Original) The optical disc assembly according to claim 20 further comprising a layer which contains a refractive material and is capable of focusing a reading beam of the optical disc reader on an image plane of the hologram.

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23. (Original) The optical disc assembly according to claim 22 wherein said surface of the insert is within or adjacent to the image plane of the hologram.

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24. (Original) The optical disc assembly according to claim 22 wherein the insert is located between the hologram and said layer.

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25. (Original) The optical disc assembly according to claim 24 wherein said layer includes a surface impressed with optically readable structures which are coated with a semi-reflective layer.

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26. (Original) The optical disc assembly according to claim 25 wherein at least one of said layer and the hologram includes data having encoded information for conducting an assay on the analyte.

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27. (Original) The optical disc assembly according to claim 1 further comprising the analyte on said surface of the insert.

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28. (Original) The optical disc assembly according to claim 3 further comprising the analyte which is located on said surface of the insert and is adjacent to the first reflective layer.

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29. (Original) The optical disc assembly according to claim 3 further comprising the analyte which is located on said surface of the insert and is adjacent to either the first reflective layer or the second reflective layer.

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30. (Original) The optical disc assembly according to claim 20 further comprising the analyte on said surface of the insert.

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31. (Original) The optical disc assembly according to claim 22 further comprising the analyte which is located on said surface of the insert and is adjacent to the image plane of the hologram.

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32. (Original) The optical disc assembly according to claim 31 wherein at least part of the analyte is located within the image plane of the hologram.

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33. (Original) An optical disc assembly, comprising:

optically readable structures which have encoded tracking information, and speed information enabling an optical disc reader to rotate the optical disc assembly at a speed that is determinable from said speed information; and

at least one analyte section capable of receiving an insert having a surface which is capable of receiving an analyte which can be read by the optical disc reader.

~~32~~ ³³ 33. (Original) The optical disc assembly according to claim ~~32~~ ³⁵ wherein said optical disc reader is a CD reader or a DVD reader.

~~33~~ ³⁴ 34. (Original) The optical disc assembly according to claim ~~33~~ ³⁵ comprising at least two layers, said analyte section being located between said two layers.

~~23-27~~ ³⁵ 35. (Currently Amended) A method for detecting an analyte held by the optical disc assembly of claim 1, comprising:

providing the optical disc assembly to the optical disc reader;

reading the optically disc assembly; and

obtaining a signal which is indicative of the presence of the analyte.

~~34~~ ³⁶ 36. (Currently Amended) A method for detecting an analyte held by the optical disc assembly of claim ~~24~~ ²⁰, comprising:

providing the optical disc assembly to the optical disc reader;

reading the optically-disc assembly; and

obtaining a signal which is indicative of the presence of the analyte.

~~36~~ ³⁷ 37. (Original) A kit for detecting an analyte, comprising:

a disc including a first layer that contains optically readable structures which have encoded tracking information, and speed information enabling an optical disc reader to rotate the disc at a speed that is determinable from said speed information; and

an insert having a surface capable of receiving the analyte, the insert being capable of being coupled to the disc to enable the optical disc reader to detect the analyte held by the insert.

Appl. No. : 10/006,619
Filed : December 10, 2001

SUMMARY OF INTERVIEW

Identification of Claims Discussed

The discussions of the Examiner and Applicant included the subject matter of the above-captioned application relating to an "insert" and an "analyte section" as found in the limitations of Claims 1, 5, 20, 23, 33 and 35.

Principal Arguments and Other Matters

During the interview, Applicant and the Examiner discussed the distinction between an "insert" and an "analyte section" as they relate to Claims 1, 5, 20, 23, 33 and 35, and how this distinction limits the claims of the above-captioned application to a different invention than the cited claims of co-pending Application No. 10/006,619.

Results of Interview

As a result of the interview, the Examiner noted a distinction between an "analyte section" and an "insert." The Examiner agreed to re-consider that Claims 1, 5, 20, 23, 33 and 35 do not claim the same invention as the cited claims of co-pending Application No. 10/006,619 and that Claims 1, 5, 20, 23, 33 and 35 are allowable.